

MACHINE TOOL TECHNOLOGY - ADVANCED TECHNICAL CERTIFICATE (ATC)

Explore More About This Program: <https://cwi.edu/program/machine-tool-technology>

Plan of Study Guide

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this Plan of Study Guide. Please register for your major requirements each semester as shown below using the Student Planning tool in myCWI. Consult your Student Success Advisor for any questions regarding this plan.

NOTE: The required general education courses may be completed during any semester the student prefers, including summer semesters.

First Year

Fall		Credit Hours
MACH 103	Machine Shop Laboratory I	3
MACH 104	Machine Shop Laboratory II	3
MACH 126	Related Blueprint Reading I	2
MACH 153	Machine Shop Theory I	2
MACH 154	Machine Shop Theory II	2
Select one of the following:		3
<u>GEM 1 - Written Communication course</u>		
<u>GEM 2 - Oral Communication course</u>		
Total Semester Credit Hours		15

Spring

MACH 105	Machine Shop Laboratory III	6
MACH 127	Related Blueprint Reading II	2
MACH 155	Machine Shop Theory III	2
MACH 224	Tool Design for Manufacturing	2
<u>GEM 3 - Mathematical Ways of Knowing course</u>		3
Total Semester Credit Hours		15

Second Year

Fall		Credit Hours
MACH 203	Advanced Machine Shop Laboratory I	6
MACH 212	Computer-Aided Manufacturing	3
MACH 253	Advanced Machine Shop Theory I	3
Total Semester Credit Hours		12
Spring		Credit Hours
MACH 204	Advanced Machine Shop Laboratory II	6
MACH 210	Fundamentals of Computer-Aided Drafting and Design	3
MACH 254	Advanced Machine Shop Theory II	3
<u>GEM 6 - Social & Behavioral Ways of Knowing course</u>		3
Total Semester Credit Hours		15
Minimum Credit Hours Required		57